

## Method and apparatus for determining waste water parameters

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### Abstract of **DE3128439**

Method for determining waste water parameters from the oxygen consumption of a waste water, in particular for the purpose of process control and/or monitoring a biological sewage treatment plant. The activated sludge suspension to be tested is placed into a reaction vessel in the exhausted state. The following measurement phases are then carried out: a) The oxygen consumption of the batch is measured over a period  $T_0$ , which is longer than a normal consumption curve, the oxygen content of the batch being constantly kept above 0.5 mg/l and below 6.5 mg/l; b) A sample of waste water having unknown waste water loading is added and the oxygen consumption in the reaction vessel is measured under the same conditions as in measurement phase a) over the period  $T_0$ . The difference between the oxygen consumption values of measurement phase b) and measurement phase a) is used as a measure of the waste water loading of the sample, by forming a ratio between it and a corresponding value determined on a waste water of known waste water loading. In addition, an apparatus for carrying out the method is proposed.

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